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## Office Memorandum • UNITED STATES GOVERNMENT

TO : The Files — [redacted]

DATE: 24 February 1956

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FROM : [redacted]

DEC 27	REV 0077	9 MAY 1950	BY 018373
CRID COMP 033	CRID 56	TYPE 02	
CRID CLASS 5	PARIS 20	REV CLASS	
JUST 22	NEXT REV 2000	AUTHN IN 102	

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SUBJECT: Trip Report on Contract [redacted]

Task Order VI

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1. The writer visited [redacted] from 6 February to 9 February for the purpose of receiving necessary technical training in the overall system, and the following is reported:

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a. Upon arrival [redacted] the writer was introduced to [redacted] Project Engineer, by [redacted] then outlined the tests being conducted between [redacted] Field Station and the [redacted]

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b. 7 Feb - As the tests progressed, it became obvious that the results were going to be negative due to the interference and precipitation noise witnessed on the allocated frequencies. Decision was reached to make a final test for 15 minutes consisting of hand sent dashes for 1 minute and followed by a silence period for 4 minutes. The results of this test indicated an improvement over the pulse-train transmissions. The writer observed that during the pulse-train tests the Final Amplifier was not attaining the full power output. The hand sent dash test pointed this out. The writer discussed this matter with the Project Engineer and suggested that consideration should be given in improving the keying technique.

c. 8 Feb - Since the present allocated frequencies are covered with interference, the writer suggested that a thorough General Search monitoring program be established for 2 days at the [redacted] Field Station site. The results to be forwarded to the Home Office of the Customer. Another General Search program will be made at the NCS site and both results compared. It is important to note that the proper allocation of frequencies is required if any degree of success is desired.

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d. 9 Feb - A visit to the [redacted] site was made in order to inspect the receiving site of the tests. This site was in the process of de-activation; however, one of the proposed masts (Model 1245) remained erected so that a detailed inspection could be made. The remaining portion of the day was spent reviewing the week's work with [redacted] and the Project personnel. The following points were covered:

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(1) Transmitter output and keying techniques

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SUBJECT: Trip Report on  Task Order VI 50X1

- (2) The possibility of developing a communication code using pulses between NCS and the outstations
- (3) The selection of fundamental and alternate frequencies for NCS and the outstations
- (4) Testing techniques to be adhered to prior to the start of operations
- (5) Analysis of accurate time delay measurements in the equipment. Determination of stability factors affecting such delays to establish operating limitations.

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Distribution:  
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*contents noted  
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